

MCDANIEL C WILLIAM
 Form 4/A
 January 16, 2008

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 MCDANIEL C WILLIAM

2. Issuer Name and Ticker or Trading Symbol
 HOLOGIC INC [HOLX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 35 CROSBY DRIVE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 10/22/2007

Director 10% Owner
 Officer (give title below) Other (specify below)

BEDFORD, MA 01730

4. If Amendment, Date Original Filed(Month/Day/Year)
 10/24/2007

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Common Stock ⁽¹⁾	10/22/2007		A		11,830	A	11
					21,830	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)
Nonqualified Stock Option	\$ 65.63	10/22/2007		A	50,000	01/01/2008 10/22/2017	Common Stock 50,000
Nonqualified Stock Option (2)	\$ 16.46	10/22/2007		A	12,302	10/22/2007 11/20/2009	Common Stock 12,302
Nonqualified Stock Option (2)	\$ 31.62	10/22/2007		A	12,302	10/22/2007 02/09/2011	Common Stock 12,302
Nonqualified Stock Option (2)	\$ 36.93	10/22/2007		A	12,302	10/22/2007 01/24/2012	Common Stock 12,302
Nonqualified Stock Option (2)	\$ 36.64	10/22/2007		A	12,302	10/22/2007 01/23/2013	Common Stock 12,302

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MCDANIEL C WILLIAM 35 CROSBY DRIVE BEDFORD, MA 01730		X		

Signatures

/s/ Mark J. Casey, Attorney-in-Fact For: C. William McDaniel 01/15/2008

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
 - ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Received in exchange for shares of Cytoc Corporation common stock in connection with the merger of Cytoc Corporation with Nor'easter
- (1) Corp., a wholly-owned subsidiary of Hologic, Inc. (the "Merger"). On the effective date of the Merger, the closing price of Hologic Inc.'s common stock was \$65.63 per share.
 - (2) Received in the Merger in exchange for an option to purchase shares of Cytoc Corporation common stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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